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## CURRICULUM VITAE

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NAME <b>Laura Cancedda</b>	CURRENT POSITION AND TITLE Senior Group Leader (tenured), Italian Institute of Technology (Genoa, Italy) Assistant Scientist, Dulbecco Telethon Institute, Italy FENS-KAVLI network of excellence scholar
Date of birth: 10/24/1975	Web pages: <a href="https://www.iit.it/people/laura-cancedda">https://www.iit.it/people/laura-cancedda</a> <a href="http://www.telethon.it/en/what-we-do/our-method/institutes/dti">http://www.telethon.it/en/what-we-do/our-method/institutes/dti</a> <a href="http://www.fens.org/Outreach/FENS-Kavli-Network-of-Excellence">http://www.fens.org/Outreach/FENS-Kavli-Network-of-Excellence</a>

### Education

Institute/location	Degree	year	Field of study
Scuola Normale Superiore , Pisa, Italy (Ecole Normale Superieure)	Ph.D.	2003	Neurophysiology, Neurodevelopment
Genoa University, Genoa, Italy	MSc Med. Chemistry	1999	Neuropharmacology

### Research/professional Experience

2016-	The Italian Institute of Technology, Genoa, Italy	Senior group leader (tenured)
2016-	Dulbecco Telethon Institute	Assistant scientist
2013- 2016	The Italian Institute of Technology, Genoa, Italy	Senior group leader
2008-2013	The Italian Institute of Technology, Genoa, Italy	Junior group leader
2003-2007	University of California at Berkeley, USA	Post doctoral fellow (Advisor: Poo MM)
2004	Chinese Academy of Sciences, Shanghai	Visiting fellow (Host: Yuan X)
2000-2003	Scuola Normale Superiore, Pisa, Italy	Graduate student (Advisor: Maffei L)
2000	Brain Institute RIKEN Wako-Shi, Japan	Visiting fellow (Host: Hensch TK)

### Publications (see google scholar profile at <http://scholar.google.it/citations?user=-DlucK0AAAAJ&hl=it>)

Total of 38 publications. Below, are reported only publications as an independent principal investigator.

### Research Publications as a senior author

#### Senior Author Research Publications:

Szczurkowska J, Cwetsch AW, Dal Maschio M, Ghezzi D, Ratto GM, **Cancedda L** (2016)

Targeted *in vivo* genetic manipulation of the mouse or rat brain by *in utero* electroporation with a triple-electrode probe. *Nature Protocols*, Mar;11(3):399-412.

*The Protocol exchange of this manuscript was commented in:*

Nature facebook at <https://www.facebook.com/nature>.

Deidda G, Parrini M, Naskar S, Fernandez I, Contestabile A°, **Cancedda L**° (2015)

Reversing excitatory GABA<sub>A</sub>R signaling restores synaptic plasticity and memory in a mouse model of Down Syndrome. Nature Medicine, 21(4):318-26.

*This article was commented in:*

Costa C (2015). Intracellular chloride accumulation: a possible mechanism for cognitive deficits in Down syndrome. Nature Medicine, 21: 312–313

&

A. M. VanHook (2015). Excited by GABA. Science Signaling. 8, ec121.

Deidda G, Allegra M, Cerri C, Naskar S, Bony G, Zunino G, Bozzi Y, Caleo M\*, **Cancedda L\*** (2015) Early depolarizing GABA controls critical-period plasticity in the rat visual cortex. Nature Neuroscience, 18(1):87-96.

*Data from this article were included in the NeuroMorpho.Org Project at:*

<http://neuromorpho.org/neuroMorpho/index.jsp>

Perlini LE, Szczurkowska J, Ballif BA, Sacchetti S, Piccini A, Giovedì S, Benfenati F\*, **Cancedda L\*** (2015) Synapsin III Acts Downstream of Semaphorin 3A/CDK5 Signaling to Regulate Radial Migration and Orientation of Pyramidal Neurons *in Vivo*. Cell Reports, 11(2):234-48.

*This article was featured in the cover page of the journal.*

*This article has been commented in:*

Perlini LE, Benfenati F, **Cancedda L** (2016). Synapsin III in brain development. Oncotarget, Mar 29;7(13):15288-9.

*This article will be commented on 'Atlas of Science' ([www.atlasofscience.org](http://www.atlasofscience.org))*

Zuccaro E, Bergami M, Vignoli B, Bony G, Pierchala B A, Santi S, **Cancedda**<sup>°</sup> L, Canossa<sup>°</sup> M (2014) Polarized Expression of p75<sup>NTR</sup> Specifies Axons During Development and Adult Neurogenesis. Cell Reports, 10;7(1):138-52.

*This article was featured as a video abstract at:*

[http://www.cell.com/cell-reports/abstract/S2211-1247\(14\)00153-3](http://www.cell.com/cell-reports/abstract/S2211-1247(14)00153-3)

Bony G, Szczurkowska J, Tamagno I, Shelly M, Contestabile A, **Cancedda L** (2013) Non hyperpolarizing GABA<sub>B</sub> receptor activation regulates neuronal migration and neurite growth and specification by cAMP/LKB1. Nature Communications, 4:1800.

Dal Maschio M, Ghezzi D, Bony G, Alabastri A, Deidda G, Brondi M, Sulis Sato S, Proietti Zaccaria R, Di Fabrizio E, Ratto GM, **Cancedda L** (2012)

High-performance and Site-directed *in Utero* Electroporation by a Triple-electrode Probe. Nature Communications, 3:960.

\* Equal contribution.

<sup>°</sup> Co-corresponding author

### **Other Research Publications as a PI:**

Baroncelli L, Cenni MC, Melani R, Deidda G, Landi S, Narducci R, **Cancedda L**, Maffei L, Berardi N (2017) Early IGF-1 Primes Visual Cortex Maturation And Accelerates Developmental Switch Between NKCC1 and KCC2 Chloride Transporters in Enriched Animals. Neuropharmacology, Feb;113(Pt A):167-177.

Paredes JM, Idilli AI, Mariotti L, Losi G, Arslanbaeva LR, Sato SS, Artoni P, Szczurkowska J, **Cancedda L**, Ratto GM, Carmignoto G, Arosio D (2016).

Synchronous Bioimaging of Intracellular pH and Chloride Based on LSS Fluorescent Protein. ACS Chem Biol. Jun 17;11(6):1652-60.

Awad PN, Sanon NT, Chattopadhyaya B, Carriço JN, Ouardouz M, Gagné J, Duss S, Wolf D, Desgent S, **Cancedda L**, Carmant L, Di Cristo G (2016)  
Reducing premature KCC2 expression rescues seizure susceptibility and spine morphology in atypical febrile seizures. Neurobiology of Disease, Feb 10;91:10-20.

Piccini A, Perlini LE, **Cancedda L**, Benfenati F, Giovedì S (2015)  
Phosphorylation by PKA and Cdk5 Mediates the Early Effects of Synapsin III in Neuronal Morphological Maturation. Journal of Neuroscience, 35:13148-59.

Marinero G, La Rocca R, Toma A, Barberio M, **Cancedda L**, Di Fabrizio E, Decuzzi P, Gentile F (2014)  
Networks of Neuroblastoma Cells on Porous Silicon Substrates Reveal a Small World Topology. Integrative Biology (Camb). Dec 17.

Pischedda F, Szczurkowska J, Cirnaru MD, Gisiert F, Vezzoli E, Ueffing M, Sala C, Francolini M, Hauck SM, **Cancedda L**, Piccoli G (2013)  
A Cell Surface Biotinylation Assay to Reveal Membrane Associated Neuronal Cues: Negr1 Regulates Dendritic Arborization. Molecular and Cellular Proteomics, Mar;13(3):733-48.  
*This article was featured in the cover page of the journal.*

Succol F, Fiumelli H, Benfenati F, **Cancedda L**, Barberis A (2012)  
Intracellular Chloride Concentration Influences the GABA<sub>A</sub> Receptor Subunit Composition. Nature Communications, 3:738.

Shelly M, **Cancedda L**, Lim BK, Cheng P, Gao H, Poo MM (2011, IIT affiliation only)  
Semaphorin3A Regulates Neuronal Polarization by Suppressing Axon Formation and Promoting Dendrite Growth. Neuron, 71: 433-46.  
*This article was commented in:*  
Howell AS, Shen K (2011). Semaphorin breaks symmetry. Neuron, 71:381-2.

Shelly M, Lim BK, **Cancedda L**, Heilshorn SC, Gao H, Poo MM (2010, IIT & UCB affiliations).  
Local and Long-Range Reciprocal Regulation of cAMP and cGMP in Axon/Dendrite Formation. Science, 327: 547-52.

### **Review Articles as a PI**

Contestabile A°, Magara S, **Cancedda L**° (2017)  
The GABAergic hypothesis for cognitive disabilities in Down syndrome. Frontiers in Cellular Neuroscience, Front Cell Neuroscience, Mar 7;11:54.

Perlini LE, Benfenati F, **Cancedda L** (2016)  
Synapsin III in brain development. Oncotarget, Mar 29;7(13):15288-9.

Deidda G, Bozarth IF, **Cancedda L** (2014)

Modulation of GABAergic Transmission in Development and Neurodevelopmental Disorders: Investigating Physiology and Pathology to Gain Therapeutic Perspectives. Frontiers in Cellular Neuroscience, 22;8:119.

Assad J, Berdondini L, **Cancedda L**, Diaspro A, Dipalo M, DeAngelis F, Fellin T, Panzeri S, Maccione A, Sileo L (2014)

Brain Function: Novel Technologies Driving Novel Understanding. Bioinspired Approaches for Human-Centric Technologies. Springer International Publishing Switzerland, book chapter, 299-334.

Ben Ari Y, Woodin MA, Sernagor E, **Cancedda L**, Vinay L, Rivera C, Legendre P, Luhmann HJ, Bordey A, Wenner P, Fukuda A, Van den Pol AN, Cherubini E, Gaiarsa JL (2012)

Refuting the Challenges of the Developmental Shift of Polarity of GABA Actions: GABA More Exciting than Ever! Frontiers in Cellular Neuroscience, 6:35.

*This article was commented in:*

<https://publons.com/p/8784>.

Di Cristo G, Pizzorusso T, **Cancedda L**, Sernagor E (2011)

GABAergic Circuit Development and its Implication for CNS Disorders. Neural Plasticity, 2011:623705

Sernagor E, Chabrol F, Bony G, **Cancedda L** (2010)

GABAergic Control of Neurite Outgrowth and Remodeling During Development and Adult Neurogenesis: General Rules and Differences in Diverse Systems. Frontiers in Cellular Neuroscience, 4:11.

### **Patents**

Modulators of intracellular chloride concentration for treating Down syndrome. Provisional: US 61/919,195, 2013. Patent application: WO 2015/091857A1, 2015

Inventors: **Cancedda L**, Contestabile A, Ben-Ari Y.

Electroporation device, Patent application: TO2011A000411, WO2012153291, 2012.

Inventors: **Cancedda L**, Ratto GM .

License agreement with BEX, Co, LTD (Japan) for commercialization of the device. The device is currently on the market (BEX, cat. number LF653).

Methods and pharmaceutical composition for deducing the expression of NKCC1 in a subject of need thereof  
Inventors: Ronzitti G., Contestabile A, **Laura C**, Mingozzi F (submitted). Patent application: EU17 305 434.7, 2017

### **Professional Activities**

2017 Advisor for the Neuroscience of Fondazione Pisana per la Scienza, Pisa, Italy

Collaboration (with Dr. Vicari, Bambino Gesù Hospital, Rome) on a clinical trial for the use of modulators of Cl transporters to rescue cognitive impairment in individuals with Down Syndrome. Recruiting in the Fall.

Organizer of the Fens-Kavli workshop for postdoc, FENS Meeting, Berlin, Germany.

Member of the recruitment committee for a researcher position at Scuola Normale Superiore, Pisa.

Member of the Ph.D. recruitment committee at University of Genoa, Italy.

Member of the evaluation panels for 2 IIT Researcher positions.

- 2016 Member of the FENS-KAVLI network of excellence  
 Scientific committee for the organization of the DTI-TIGEM-TIGET meeting, Roma, Italy  
 Member of the evaluation committee for carrier advancement, IIT  
 Member of Ph.D. dissertation committee, Institut du Fer à Moulin, Paris  
 Teacher of neurodevelopmental physiology at graduate students of the Scuola Normale Superiore, Pisa
- 2015 Member of the Ph.D. recruitment committee at Scuola Normale Superiore, Pisa, Italy
- 2015-2009 Member of Ph.D. dissertation committee at Scuola Normale Superiore, Pisa, Italy (once/year)
- 2014 Guest editor for special issue of *Frontiers in Neuroscience* on “GABAergic system in CNS development and maldevelopment”  
*Listed among the top 10 research topic of the year by Frontiers*
- 2012 Organizer of the symposium “Activity-dependent modifications of neuronal circuits: plasticity, adaptation and tenacity”, Italian Society of Neuroscience meeting, Italy
- 2011 Guest editor for special issue of *Neural Plasticity* on “GABAergic circuit development and its implication for CNS disorders”
- 2012 Member of dissertation Ph.D. committee Università degli Studi di Pisa, Italy
- 2004 Organizer of the “Neuro super group” meetings, U.C. Berkeley

Direct commissioned manuscript reviewer: *Science*, *Nature Communications*, *Cell Research*, *Cell Reports*, *PNAS*, *Journal of Neuroscience*, *Journal of Physiology*, *Scientific Reports*, *European Journal of Neuroscience*, *Hippocampus*, *Journal of Neurochemistry*, *Frontiers in Neuronal Circuits*, *Frontiers in Cellular Neuroscience*, *Frontiers in Molecular Neuroscience*, *Frontiers in Pediatrics*, *Medical Research archives*, *Molecular Neurobiology*, *Brain Structure and Function*, *Molecular Autism*, *Molecular Neuroscience*, *PLOS ONE*, *Journal of Neurochemistry*, *Developmental Neurobiology*, *Neuroscience*, *International Journal of Developmental Neuroscience*, *OMICS*, *Molecular Genetics and Metabolism*, *Neural plasticity*, *International Journal of Developmental Neuroscience*, *Neuroscience Letter*, *Neurochemistry international*, *World Journal of Surgical Oncology*, *Bio- and Medical Informatics and Cybernetics (BMIC)*.

Grant reviewer: National Science Foundation (NSF), U.S.; H2020- Future and Emerging Technologies (FET) OPEN-2016-2017, EU; FP7-ICT-2011-C (FET), EU; Medical Research Council (MRC), United Kingdom; Research Councils United Kingdom (RCUK), French National Research Agency (ANR), France; French Foundation for the Research on Epilepsy (FFRE), France; Novel ideas for radically new technologies, Canada Foundation for Innovation Competition (CFI); Netherlands Organization for Scientific Research (NWO), Netherlands; Seed project, IIT, Italy.

Editorial Board member: *Frontiers in Cellular Neuroscience*, *PeerJ*.

### **Honors and Awards**

- 2017 Selected among the best 100 young Italian scientists operating in Italy or abroad (*Cartaditalia* magazine)  
 2016 Awarded the European Research Council (ERC) consolidator grant.

*The project was featured in the press release (7 projects featured out of 314 funded) for announcing the results of 2016 ERC CoG by the communication unit of the ERC.*

Appointed scholar of the FENS-KAVLI network of excellence.

Young researcher award, memorial Mario Mai.

2015 Appointed assistant scientist at the Dulbecco Telethon Institute, Italy

2014 National habilitation as assistant professor of Physiology.

TRADECOM society adopted Telethon Project on Rett syndrome for communication to the lay public.

2013 Mention of honor, poster award, Convention Telethon, Italy.

Finalist at the scientific picture award “Beyond science”, Genova, Italy.

2011 Best poster award, Molecular Mechanisms in Neuroscience meeting, Rome, Italy.

2009 Young investigator award, Italian Society of Physiology (SIF), Italy.

2008 Best speaker award, Italian Society for Neuroscience (SINS), Milan, Italy.

2003 Ph.D. earned with Honors, Scuola Normale Superiore, Pisa, Italy.

2001 Travel award for participation to summer course “Structure, Function and Development of the Visual System”, Cold Spring Harbor Laboratory (CSHL), U.S.A.

1999 Graduation with Honors and Distinction in Major, University of Genoa, Italy.

1997 Scholarship for extracurricular departmental activities, University of Genoa, Italy.

#### **Invited Speaker at National and International Meetings:**

**2018** Invited speaker at the symposium “Drug repurposing for treating genetic disorders” at the European Society of Human Genetics Conference 2018, Milan, Italy.

**2017** Invited speaker at the symposium “From Genetic to Functional Cell-Type Diversity in the Cerebral Cortex” at the 19th International Neuroscience Winter Conference, Solden Austria

Invited speaker at the symposium “Intracellular Cl<sup>-</sup> sensing in cell signaling and ion transport” at the 38th World Congress of the International Union of Physiological Sciences (IUPS), Rio de Janeiro, Brasil.

Invited speaker at the symposium “Neurodevelopmental disorders: from molecular mechanisms to therapeutic inroads”, Telethon Convention, Riva del Garda, Italy

Invited speaker at the symposium “Circuit Function and Disease”, the Neuronal Surfaceome in Circuit Formation meeting, Verbania, Italy

Invited speaker at the retreat of the Clinical & Experimental Epilepsy Department, University College of London (UCL), Siena, Italy.

Invited speaker at the retreat of Theoretical and Computational Neuroscience Vogels laboratory, Oxford University, Brescia, Italy.

Invited speaker at the symposium “Genomics in Therapy”, The Future of Genetics in Medicine and beyond, Torino, Italy.

Invited speaker at the symposium “Of mice and men: murine models and human brain organoids for the mechanistic dissection of neurodevelopment disorders”, Italian Society for Neuroscience (SINS), Ischia, Italy.

- Invited speaker at the symposium at Down Syndrome Meeting, Napoli, Italy.
- 2016 Invited speaker at the “Epilepsy and Neuronal Synchronization” Gordon Research Conference, Spain.
- Invited speaker at the mini-symposium “Neuronal differentiation, specification and outgrowth in the developing cerebral cortex?” & invited speaker at “Useful techniques in developmental neuroscience” Developmental neuroscience social at the Society for Neuroscience (SFN), San Diego, U.S.
- Invited speaker at the symposium “Chloride regulation, inhibitory function and neurological disease” Federation of European Neurosciences Societies (FENS) meeting, Copenhagen, Denmark.
- Invited speaker at the symposium “Channelopathies”, meeting of the Società Italiana di Genetica Umana (SIGU), Torino, Italy.
- Invited plenary lecture at the Italian Institute of Neuroscience retreat, Padova, Italy.
- Invited speaker at the Telethon (TIGEM, TIGET, DTI) three-retreat, Rome, Italy.
- 2015 Invited speaker at the “Inhibition in the CNS” Gordon Research Conference, United States.
- Selected for oral presentation at the “Fragile X and other Early-Onset Cognitive Disorders” Workshop, Strasbourg, France
- Invited speaker at the “Nanoscopy 2.0”, advanced microscopy school, Genoa, Italy.
- 2014 Invited speaker and invited chair of the “Molecular Neuroscience” session at Neuronus meeting, Krakow, Poland.
- 2013 Invited speaker at the Engineering in Medicine and Biology Society (IEEE-EMBS) annual conference, Osaka, Japan.
- Selected for oral presentation at the meeting “Inhibitory control of brain plasticity bio-imaging methods reveal brain physiology” Krakow, Poland.
- 2012 Invited speaker and invited chair of the “Neurogenesis” session at Jacques Monod conference “Mechanisms of intellectual disabilities: from genes to treatment”, Roscoff, France.
- Invited speaker and chair of the symposium “Activity-dependent modifications of neuronal circuits: plasticity, adaptation and tenacity”, Italian Society of Neuroscience (SINS) meeting, Italy.
- 2011 Selected for oral presentation at the meeting “Wiring the brain: making connections”, Powerscourt, Co Wicklow, Ireland.
- Selected for oral presentation at the meeting “Cell biology of the neuron: polarity, plasticity and regeneration”, Crete, Greece.
- 2010 Invited speaker at the symposium “Neuronal Development, Neurotransmission and Neurodegeneration”, Italian Society of Biochemistry (SIB) meeting.

Invited speaker, “Plasticise” meeting, Pisa, Italy.

Invited speaker, “NeuroIITScience”, Genoa, Italy.

2009 Invited speaker Minisymposium “Depolarizing GABA in development, maldevelopment and seizures: friend or foe?” Society for Neuroscience (SFN).

*The presentation was included in the “Hot Topic” database Neuroscience*

Invited speaker at the Symposium “Neurodevelopmental alterations leading to epilepsy”, Italian Society for Neuroscience (SINS).

2008 Selected for oral presentation, Molecular Mechanisms in Neuroscience meeting, Italian Society for Neuroscience (SINS), Milan, Italy.

### **Invited Talks**

2018	University of Bon	Bon, Germany	Host Beck H
2017	Institut de Génomique Fonctionnelle	Montpellier, France	Host Bertaso F
	Institute of Science and Technology (IST)	Klosterneuburg, Austria	Host Hipenmeyer
	Neuroscience Institute Cavalieri Ottolenghi (NICO)	Torino, Italy	Host Merlo GR
2016	King’s College London	London, United Kingdom	Host Marin O
	Max Plank Institute	Dresden, Germany	Host Calegari F
	INSERM	Paris, France	Host Poncer C
	University of Mainz	Mainz, Germany	Host Schäfer M
	University of Padova	Padova, Italy	Host Pietrobon D
	Telethon Institute of Genetics and Medicine (TIGEM)	Napoli, Italy	Host Di Bernardo
2015	University of Geneva	Genève, Switzerland	Host Jabaudon D
	Universitat de Valencia	Valencia, Spain	Host Nacher J
	Scuola Normale Superiore	Pisa, Italy	Host Cattaneo A
2014	Janssen (Johnson & Johnson pharmaceuticals)	Beerse, Belgium	Host Kemp J
	National Research Council (CNR)	Pisa, Italy	Host Ratto G
	Humanitas	Milan, Italy	Host Matteoli M
	San Raffaele Hospital	Milan, Italy	Host Broccoli V
	CHU Ste-Justine/Université de Montréal	Montreal, Canada	Host Di Cristo G
2013	Novartis Institutes for Biomedical Research (NIBR)	Boston, United States	Host Dolmetsch R
	The Allen Institute for Brain Science	Seattle, United States	Host Dolmetsch R
	Sanford Health Research Institute	Sioux Falls, United States	Host Pearce D
	Lejeune Foundation	Paris, France	Host Potier MC
	Universit de la Mediterran	Marseille, France	Host Ferhat L
	European Molecular Biology Laboratory (EMBL)	Monterotondo, San Marino	Host Gross C
	Centro di Biologia Integrata, CIBIO	Trento, Italy	Host Quattrone A
	Università Cattolica	Rome, Italy	Host Janiri L
	National Research Council (CNR)	Milan, Italy	Host Sala C
	Institut de neurobiologie de la méditerranée (INMED)	Marseille, France	Host Manent JB
2012	Georgetown University	Washington, United States	Host Donoghue M
	Institut de neurobiologie de la méditerranée (INMED)	Marseille, France	Host Manent JB
	University of Vermont	Burlington, United States	Host Delay R
2011	Stony Brook University	New York, United States	Host Shelly M



2010	Rudolf Magnus Institute University of Padova University of Pavia National Research Council (CNR)	Utrecht, Nederland's Padova, Italy Pavia, Italy Pisa, Italy	Host Pasterkamp J Host Carmignoto Host D'Angelo E Host Ratto G
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### **Outreach activity**

- 2017 Lay public article published on the insert Tutto scienza of La Stampa newspaper.  
Lecturer for a series of outreach meetings “La scienza condivisa”, Genova, Italy  
Lecturer for Immersioni Virtuali nella Scienza (VIS), Scuola Normale Superiore Pisa.  
Lecturer for Camogli Communication festival, Genova, Italy.  
Released a number of interviews for the general public on my science for national media (Panorama and La Stampa, Rai cultura).  
Lecturer for BerERC outreach event (an ERC winner meets the public in a pub).  
Lecturer for the Rotary club, Rome.  
A number of outreach activity as a member of the FENS-KAVLI network of excellence (see <http://www.fens.org/Outreach/FENS-Kavli-Network-of-Excellence/> )  
Special lecture for the Italian association of journalists.
- 2016 A number of outreach activity as a member of the FENS-KAVLI network of excellence (see <http://www.fens.org/Outreach/FENS-Kavli-Network-of-Excellence/> )  
Invited seminar at Down Syndrome Italian Association, Livorno, Italy.  
Invited seminar at the Down DADI association, Padova, Italy.  
IIT tells - Caffè scientifici, IIT scientists meet the lay public in a coffee place.  
Special lecture for the Italian association of journalists.  
Interview for the journalism master, SISSA, Trieste, Italy on my research  
European stem cell day (Unistem), lecture to high school students and teachers.  
Released a number of interviews for the general public on my science for national media (La Repubblica, Telegiornale Regionale, Telegiornale Leonardo, Telenord, ANSA).
- 2015 IIT at the movie theater, IIT scientists meet the lay public to comment on recent movies with science topics.  
Selected for the “excitatory-inhibitory balance” symposium at the National Festival of Science, Genoa.  
Special lectures for the Italian association of journalists and for high-school teachers.  
Participant to the IIT family open day.  
Released a number of interviews for the general public on my science for national (La Repubblica, il Sole 24 ore, Secolo XIX, Telethon magazine) and international (Alzheimer Forum; the Scientist; United States) media and organizations.  
Collaborating with the TRADECOM society that “adopted” the Telethon Project on Rett syndrome for communication to the lay public
- 2012 Special lectures for high-school students.
- 2008 Served as a speaker in public debates (returning scientist from abroad).